

(FILE 'HOME' ENTERED AT 14:50:40 ON 22 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:51:27 ON 22 AUG 2006

L1 STRUCTURE UPLOADED

L2 40 S L1

L3 887 S L1 FUL

FILE 'CAPLUS, CAOLD' ENTERED AT 14:53:07 ON 22 AUG 2006

L4 35 S L2

L5 145 S L3

L6 110 S L5 NOT L4

L7 1 S L6 AND INSECTICIDE

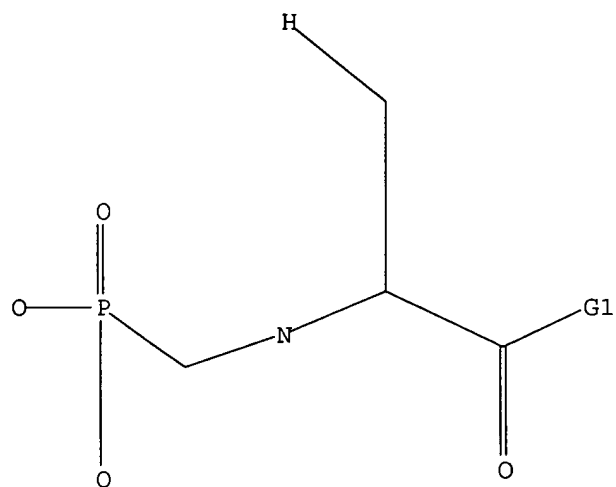
L8 1 S L6 AND INSECT?

L9 0 S L8 NOT L7

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2002:777603 CAPLUS  
 DN 137:274431  
 TI Insecticide compositions containing amino acids  
 IN Sandeman, Richard Mark; Chandler, David Spencer; Duncan, Ann Maree; Hay, Phillip Maxwell  
 PA Nufarm Limited, Australia; La Trobe University  
 SO PCT Int. Appl., 62 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002078448	A1	20021010	WO 2002-AU389	20020328
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1385379	A1	20040204	EP 2002-712624	20020328
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	CN 1510989	A	20040707	CN 2002-810408	20020328
	JP 2004532837	T2	20041028	JP 2002-576727	20020328
	BR 2002008520	A	20050201	BR 2002-8520	20020328
	US 2004176424	A1	20040909	US 2003-674196	20030929
PRAI	AU 2001-4069	A	20010329		
	WO 2002-AU389	W	20020328		

OS MARPAT 137:274431

AB Insecticides of formula R3N(R2)AC(R1)(:O) and the agriculturally acceptable salts thereof (R1 = OR5 wherein R5 = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted cycloalkyl, (un)substituted heterocyclic; NR6OH wherein R6 = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted carbocyclic; NR7R8 wherein R7 and R8 = H, (un)substituted alkyl, (un)substituted aryl and carbocyclic; and wherein R1 is linked to R2 to form a diradical bridging group; R2 and R3 = H, (un)substituted alkyl, (un)substituted carbocyclic, (un)substituted aryl, and (un)substituted acyl; and A = diradical linking group, which has a mol. weight of preferably less than 200 and more preferably less than 100) are used to control insect species selected from the orders Lepidoptera, Hemiptera, Orthoptera, Coleoptera, Psocoptera, Isoptera, Thysanoptera and Homoptera on cotton.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2000:104942 CAPLUS  
DN 132:265248  
TI Synthesis of N-(O,S-dimethylthiophosphoryl)  $\alpha$ -L-amino acid  
esters and their insecticidal activity  
AU Tang, Jia-fang; Zhou, Jiu-yuan; Liu, Zhi-lan; Xiao, Yu-xiu; Wu, Zheng-hui;  
Wu, Kai-nang  
CS College of Life Sciences, Wuhan University, Wuhan, 430072, Peop. Rep.  
China  
SO Wuhan Daxue Xuebao, Ziran Kexueban (1999), 45(6), 861-864  
CODEN: WTHPDI; ISSN: 0253-9888  
PB Wuhan Daxue Xuebao Bianjibu  
DT Journal  
LA Chinese  
AB N-(O,S-Dimethylthiophosphoryl)  $\alpha$ -L-amino acid esters  
(NDTPAAE),  $\text{MeS(OMe)P(O)NHC(R)HCO}_2\text{Me}$  ( $\text{R} = \text{H, CH}_2, \text{CHMe}_2, \text{CH}_2\text{CHMe}_2$ ), prepared  
with high yield and high optical purity from the esters  $\alpha$ -L-amino  
acids on a mol. scale. The compds. was characterized with IR,  $^1\text{H-NMR}$ ,  
mol. rotation power and biotest. Within 0.01%-0.001% of NDTPAAE the  
death-rate caused by contact toxicant to two age bollworm was 100%-80% and  
the death-rate of stomach poison was 95%-50%. It was found that the  
longer of the carbon chain in the R-group of active amino acids was the  
stronger of the insecticide activity indicated.

L20 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1983:589788 CAPLUS  
DN 99:189788  
TI Further studies on biological activity of aminophosphonates structurally  
related to N-(phosphonomethyl) glycine  
AU Bakuniak, E.; Bakuniak, I.; Borucka, B.; Ostrowski, J.  
CS Inst. Ind. Org. Chem., Warsaw, 03-236, Pol.  
SO Journal of Environmental Science and Health, Part B: Pesticides, Food  
Contaminants, and Agricultural Wastes (1983), B18(4-5), 485-96  
CODEN: JPFCD2; ISSN: 0360-1234  
DT Journal  
LA English  
AB The biol. activities of glyphosate analogs and homologs as well as  
N-substituted aminoalkanophosphonates were evaluated. No acaricidal or  
insecticidal activities were detected (no data). Herbicidal  
activity was generally demonstrated; complete absence of activity was  
observed with acetylaminophosphonates in which Et groups were substituted at  
the P atom and at the carboxyl group instead of H, and with 2 phosphinic  
acids.